

Amendments to the Claims:

Claim 1 (original) A method for identifying conditions, compounds, or compositions for modifying a crystal or a calculus comprising calcium oxalate, the method comprising:

preparing seed crystals of calcium oxalate;

incubating the said seed crystals in a supersaturated calcium oxalate medium comprising at least one of a plurality of components;

detecting a first crystal property; and

identifying a component corresponding to a change in said crystal property.

Claims 2-31 (canceled)

Claim 32 (original) The method of claim 1, further comprising culturing kidney epithelial cells.

Claim 33 (original) The method of claim 32, wherein the cultured cells are selected from the group consisting of: MDCK, LLC-PK₁, mIMCD, and tubule fragments.

Claim 34 (original) The method of claim 32, further comprising preparing labeled calcium oxalate crystals.

Claim 35 (original) The method of claim 32, further comprising incubating labeled calcium oxalate crystals with cultured kidney epithelial cells.

Claim 36 (original) The method of claim 35, further comprising solubilizing washed cells following incubation with labeled calcium oxalate crystals; and measuring a signal corresponding to a label in the labeled calcium oxalate crystals.

Claims 37-102 (canceled)